

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24070

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :C12Q 1/68; C07H 21/04

US CL :435/6; 536/25.3

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6; 536/25.3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WEST, STN, MEDLINE, BIOSIS, CAPLUS, EMBASE, GENBANK

search terms: array, oligonucleotide, solid, support, high density

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X <i>M</i>	US 5,795,714 A (CANTOR et al) 18 August 1998, see entire document.	1-56
X <i>n</i>	PIETU.G. et al. Novel Gene Transcripts Preferentially Expressed in Human Muscles Revealed by Quantitative Hybridization of a High Density cDNA Array. Genome Research. June 1996. Vol.6, pages 492-503, see entire document.	1-56
X <i>m</i>	NGUYEN.C. et al. Differential Gene Expression in the Murine Thymus Assayed by Quantitative Hybridization of Arrayed cDNA clones. Genomics. June 1995. Vol.29, pages 207-216, see entire document.	1-56

M 13 Jan 2000



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
A document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
E earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*&* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

10 JANUARY 2000

Date of mailing of the international search report

02 FEB 2000

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X <i>h</i>	ZHAO.N. et al. High-Density cDNA Filter Analysis: a Novel Approach for Large-Scale, Quantitative Analysis of Gene Expression. Gene. January 1995. Vol.156, pages 207-213, see entire document.	1-56
X <i>f</i>	DERISI. J. et al. Use of cDNA Microarray to Analyse Gene Expression Patterns in Human Cancer. Nature Genetics. December 1996. Vol.14, pages 457-460.	1-28, 30-35, 37-56
X, <i>P</i>	US 5,837,860 A (ANDERSON et al) 17 November 1998, see entire document.	1-56
Y <i>0</i>	SCHENA. M. et al. Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray. Science. October 1995. Vol.270, pages 467-470, see entire document.	1-56

MD 13 June 2000